



FIG. 1

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graph TD
    START([START]) --> SET[SET CONTROL STATUS OF STORAGE MEDIUM]
    SET --> READ[READ PRODUCT SERIAL NUMBER]
    READ --> GENERATE[GENERATE LOCKING SIGNAL]
    GENERATE --> RECORD[RECORD LOCKING SIGNAL]
    RECORD --> COUNTER0[COUNTER=0]
    COUNTER0 --> REQUEST[REQUEST DISARM INPUT]
    REQUEST --> CONVERTED[GENERATE CONVERTED SIGNAL]
    CONVERTED --> MATCH{CONVERTED SIGNAL MATCHES LOCKING SIGNAL?}
    MATCH -- YES --> RELEASE[RELEASE STORAGE MEDIUM FROM LOCKED STATE]
    MATCH -- NO --> COUNTER3{COUNTER=3?}
    COUNTER3 -- YES --> SHUTDOWN[FORCE COMPUTER TO SHUT DOWN]
    COUNTER3 -- NO --> INCREMENT[INCREMENT COUNTER]
    INCREMENT --> REQUEST

```

FIG. 2